Driving network video through global standardization

# Open Network Video Interface Forum

# ONVIF Core Specification Ver1.02 Release Notes

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# 1. Summary

The ONVIF 1.02 release includes updates to the core specification and to the WSDL/Schema files. All ONVIF services are affected by the update.

# 2. Changes

This section contains an overview of the changes made in ONVIF Core Specification V1.01 to include the proposed change requests approved by ONVIF TC. The modified specification is versioned as ONVIF Core Specification Ver1.02.

1. Device service:
    a. The user handling has been clarified
    b. The data type of the Policy parameter in SetAccessPolicy has been corrected in devicemgmt.wsdl.
        - PolicyFile parameter Xs:anyType changed to xs:BinaryData
    c. Capabilities added for:
        - 1.00 TLS support
            - Added SecurityCapabilitiesExtension definition to SecurityCapabilities (onvif.xsd)
            - Added TLS1.0 in SecurityCapabilitiesExtension (onvif.xsd)
        - Maximum number of media profiles
            - Added ProfileCapabilities (onvif.xsd)
    d. Modified MTOM handling by correcting the AttachementData type in onvif.xsd. Affected methods are
        - GetSystemBackup
        - RestoreSystem
        - UpgradeSystemFirmware
        - GetSystemLog
        - GetSystemSupportInformation

2. Media Service:
    a. New method GetGuaranteedNumberOfVideoEncoderInstances added
    b. New attribute fixed added to profile type.

3. Event Service:
    a. Metadata stream in onvif.xsd has been updated.
    b. Updated ONVIF topic namespace with missing topics.
    c. Added support for WS-Addressing
4. PTZ Service:
    a. Namespace http://www.onvif.org/ver10/ptz/wsdl deprecated
    b. New namespace http://www.onvif.org/ver20/ptz/wsdl added
    c. The API for the following methods has been updated:
        - GetNode
            - PresetName parameter removed
            - PresetToken parameter changed to mandatory
        - GetConfigurations
        - GetConfiguration
        - SetConfiguration
        - GetPresets
            - In response parameter renamed from "PTZPreset" to Preset"
        - SetPreset
            - PresetToken parameter added in response
        - RemovePreset
            - PresetName parameter removed
            - PresetToken parameter changed to mandatory
        - GotoPreset
            - PresetName parameter removed
            - PresetToken parameter changed to mandatory
        - SetHomePosition
            - Response message revised
        - ContinuesMove
            - Velocity parameter changed to mandatory
        - AbsoluteMove
            - Parameter renamed from "Destination" to "Position" and changed to mandatory
        - Stop

5. Analytics Service:
    a. Namespace http://www.onvif.org/ver10/analytics/wsdl deprecated
    b. New namespace http://www.onvif.org/ver20/analytics/wsdl added
    c. The API for the following methods has been updated:
        - GetSupportedRules
            - SupportedRules data type defined in onvif.xsd (with extensibility point)
            - Added SupportedRules data type in response message
        - CreateRules
            - Revised response message
        - DeleteRules
            - Revised response message
        - GetRules
            - Response can contain multiple Rule elements
        - GetSupportedAnalyticsModules
            - Defined SupportedAnalyticsModules data type in onvif.xsd (with extensibility point)
            - SupportedAnalyticsModules data type added in response message
        - CreateAnalyticsModules
            - Request message can contain multiple AnalyticsModule elements
            - Revised response message
        - DeleteAnalyticsModules
            - Request message can contain multiple AnalyticsModuleName elements
            - Revised response message
        - ModifyAnalyticsModules
            - Revised response message
6. Imaging Service:
    a. Namespace http://www.onvif.org/ver10/imaging/wsdl deprecated
    b. New namespace http://www.onvif.org/ver20/imaging/wsdl added
    c. The API for the following methods has been updated:

- GetImagingSettings
  - Response: Changed data type of parameter **ImagingSettings** from "ImagingSettings" to "ImagingSettings20"
- SetImagingSettings
  - Request: Changed data type of parameter **ImagingSettings** from "ImagingSettings" to "ImagingSettings20"
- GetOptions
  - Response: Changed data type of parameter **ImagingOptions** from "ImagingOptions" to "ImagingOptions20"

- GetMoveOptions
  - Response: Changed data type of parameter **MoveOptions** from "MoveOptions" to "MoveOptions20"

- GetStatus
  - Response: Changed data type of parameter **Status** from "ImagingStatus" to "ImagingStatus20"